WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Wednesday, June 23, 2004

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,EPAB,JPAB,DWPI; THES=DTIC; PLUR=YES; OP=ADJ		
☐	L17	(nucleic or dna) near10 L16	12
☐	L16	l14 or l15	394
☐	L15	flourescien$10	3
☐	L14	flourescein$10	392
☐	L13	us-5736626-$.did.	2
☐	L12	(fluoro$8 or fluore$8) and L11	34
☐	L11	(l8 or l9 or L10) and l5	76
☐	L10	amino near2 propanediol	2268
☐	L9	2-hydroxyethylglycine	6
☐	L8	2-hydroxyethyl glycine	522
☐	L7	fluore$10 near10 L5	30
☐	L6	nucleic same L5	23
☐	L5	trifunctional	13437
☐	L4	us-5451463-$.did.	2
☑	L3	assay near5 L1	14
☑	L2	assay near5 L1	14
☑	L1	protoporphyrinogen oxidase	325

END OF SEARCH HISTORY

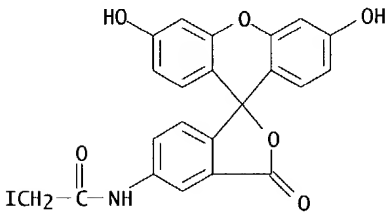
```
=> d que
L103      42468 SEA FILE=CAPLUS ABB=ON  PLU=ON  (DNA OR NUCLEIC)(10A)(CONJUGAT?
                 OR LABEL? OR LINK?)
L105        823 SEA FILE=CAPLUS ABB=ON  PLU=ON  L103 (10A) (?AMID?)
L106        243 SEA FILE=CAPLUS ABB=ON  PLU=ON  L105 AND (CHROMO? OR FLUORO?
                OR FLUORE?)
L107        167 SEA FILE=CAPLUS ABB=ON  PLU=ON  L106 AND PY<2002
L108     436100 SEA FILE=CAPLUS ABB=ON  PLU=ON  DNA/OBI
L109     125413 SEA FILE=CAPLUS ABB=ON  PLU=ON  NUCLEIC ACID/OBI
L110        638 SEA FILE=CAPLUS ABB=ON  PLU=ON  (L108 OR L109)(L)AMID?
L111          4 SEA FILE=CAPLUS ABB=ON  PLU=ON  L110 AND L107
L112         72 SEA FILE=REGISTRY ABB=ON  PLU=ON  (350684-99-0/BI OR 350685-01-
                7/BI OR 350685-06-2/BI OR 350685-13-1/BI OR 350685-14-2/BI OR
                350685-17-5/BI OR 106-96-7/BI OR 1074-82-4/BI OR 110-89-4/BI
                OR 112-72-1/BI OR 112-80-1/BI OR 114748-57-1/BI OR 116919-16-5/
                BI OR 119462-97-4/BI OR 132435-98-4/BI OR 13255-48-6/BI OR
                13497-62-6/BI OR 143-28-2/BI OR 16940-66-2/BI OR 186033-13-6/BI
                 OR 204061-98-3/BI OR 204061-99-4/BI OR 204062-00-0/BI OR
                204062-01-1/BI OR 204062-02-2/BI OR 204062-03-3/BI OR 204062-04
                -4/BI OR 204062-05-5/BI OR 204062-06-6/BI OR 204062-07-7/BI OR
                204062-08-8/BI OR 204062-10-2/BI OR 2873-29-2/BI OR 302-01-2/BI
                 OR 302-79-4/BI OR 30525-89-4/BI OR 3301-79-9/BI OR 350684-94-5
                /BI OR 350684-95-6/BI OR 350684-96-7/BI OR 350684-97-8/BI OR
                350685-04-0/BI OR 350685-05-1/BI OR 350685-07-3/BI OR 350685-08
                -4/BI OR 350685-09-5/BI OR 350685-10-8/BI OR 350685-11-9/BI OR
                350685-12-0/BI OR 350685-16-4/BI OR 350685-18-6/BI OR 350685-19
                -7/BI OR 3891-07-4/BI OR 431-47-0/BI OR 50859-18-2/BI OR
                52328-05-9/BI OR 530-62-1/BI OR 5329-33-9/BI OR 540-51-2/BI OR
                544-63-8/BI OR 628-89-7/BI OR 63368-54-7/BI OR 64-18-6/BI OR
                66-81-9/BI OR 69676-63-7/BI OR 77-78-1/BI OR 7722-64-7/BI OR
                7722-84-1/BI OR 78008-15-8/BI OR 7803-49-8/BI OR 9013-20-1/BI
                OR 96662-06-5/BI)
L113         48 SEA FILE=REGISTRY ABB=ON  PLU=ON  L112 AND RSD/FA
L114          1 SEA FILE=REGISTRY ABB=ON  PLU=ON  L113 AND  C22 H14 I N O6/MF
L115        130 SEA FILE=CAPLUS ABB=ON  PLU=ON  L114
L116          1 SEA FILE=CAPLUS ABB=ON  PLU=ON  L115 AND L111


=> d ibib abs hitstr

L116 ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         1991:116322  CAPLUS
DOCUMENT NUMBER:          114:116322
TITLE:                    Automated sequencing of fluorescently
                          labeled DNA by chemical degradation
AUTHOR(S):                Rosenthal, Andre; Sproat, Brian; Voss, Hartmut;
                          Stegemann, Josef; Schwager, Christian; Erfle, Holger;
                          Zimmermann, Juergen; Coutelle, Charles; Ansorge,
                          Wilhelm
CORPORATE SOURCE:         Zentralinst. Molekularbiol., Akad. Wiss. DDR, Berlin,
                          1115, Ger. Dem. Rep.
SOURCE:                   DNA Sequence (1990), 1(1), 63-71
                          CODEN: DNSEES; ISSN: 1042-5179
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB    A new general method for sequencing fluorescently labeled DNA by
      chem. degrdn. was developed.  It is based on the observation that
      fluorescein attached via a mercaptopropyl or aminopropyl linker
      arm to the 5'-phosphate of an oligonucleotide is stable during the
      reactions commonly used in chem. cleavage procedures.  DNA to be degraded
      is first enzymically synthesized in vitro by annealing and extending a
      fluorescently labeled primer thereby introducing the
      fluorescent label at the 5'-end of the fragment.  The newly
      synthesized fluorescently labeled DNA is then chem. degraded
      using: (a) a set of 4 different cleavage reactions; or (b) only one
```

reaction comprising methylation of G-residues followed by a partial cleavage with piperidine in the presence of NaCl. The **fluorescent** degrdn. products are loaded on either 4 lanes or 1 lane of the gel, resp., and the emitted **fluorescence** detected online during electrophoresis. In the four reaction/four lanes method 200-350 bp (base pairs) can be read from the labeled end. The one reaction/one lane method, in which the nucleotide sequence is detd. by measuring different signal intensities following the rule G > A > C > T, currently yields around 100-200 bp of sequence per sample.

IT **63368-54-7, 5-Iodoacetamidofluorescein**
RL: PRP (Properties)
(**DNA labeling** with, for sequence detn. by chem. degrdn.)

RN 63368-54-7 CAPLUS

CN Acetamide, N-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl)-2-iodo- (9CI) (CA INDEX NAME)



=>